

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S34	270	(239/305).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/14 10:09
S35	2	("6749027").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/15 13:59
S36	35	("0434633"   "2207758"   "3069846"   "3342419"   "3554452"   "3684192"   "3863844"   "3893624"   "3904125"   "4289277"   "4470549"   "4589439"   "4623095"   "4640461"   "4653693"   "4730774"   "4944460"   "5167285"   "5275243"   "5312041"   "5312048"   "5562248"   "5575341"   "5593092"   "5613773"   "5678766"   "5779158"   "5779159"   "5992529"   "6102308"   "RE29717").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/15 13:59
S37	49	("1017585"   "1382684"   "2003184"   "2513417"   "2532711"   "2990885"   "3050262"   "3348777"   "3387791"   "3533559"   "3644076"   "3693884"   "3741484"   "3836076"   "3863844"   "3893624"   "4061248"   "4143717"   "4213936"   "4497442"   "4505431"   "4525175"   "4640461"   "4705405"   "4781467"   "4801090"   "4828038"   "5012979"   "5014790"   "5090619"   "5167285"   "5275243"   "5312041"   "5330105"   "5575341"   "5678766"   "5779158"   "5779159"   "5816328").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/15 14:01
S38	12	("0618412"   "2405375"   "2485723"   "2532986"   "2990165"   "3188009").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/15 14:04

## EAST Search History

S39	3	("6102308").URPN.	USPAT	OR	ON	2005/09/15 14:08
S40	578	(239/424.5).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/31 12:17
S41	145	(239/419.5).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/31 12:19
S42	364	(239/419).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/15 14:17
S43	144	(239/514).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/31 12:21
S44	250	(239/413).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/31 12:02
S45	222	(239/416.4).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/31 12:04
S46	254	(239/417).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/31 12:08
S47	243	(239/417.5).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/31 12:15
S48	384	(239/453).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/31 12:20

## EAST Search History

S49	993	(239/424).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/15 14:18
S50	197	(169/44).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/31 11:59
S52	49	("1017585"   "1382684"   "2003184"   "2513417"   "2532711"   "2990885"   "3050262"   "3348777"   "3387791"   "3533559"   "3644076"   "3693884"   "3741484"   "3836076"   "3863844"   "3893624"   "4061248"   "4143717"   "4213936"   "4497442"   "4505431"   "4525175"   "4640461"   "4705405"   "4781467"   "4801090"   "4828038"   "5012979"   "5014790"   "5090619"   "5167285"   "5275243"   "5312041"   "5330105"   "5575341"   "5678766"   "5779158"   "5779159"   "5816328").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/15 14:28
S53	268	(169/14).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/15 16:12
S54	111	(169/27).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/31 12:22

## EAST Search History

S55	35	("0434633"   "2207758"   "3069846"   "3342419"   "3554452"   "3684192"   "3863844"   "3893624"   "3904125"   "4289277"   "4470549"   "4589439"   "4623095"   "4640461"   "4653693"   "4730774"   "4944460"   "5167285"   "5275243"   "5312041"   "5312048"   "5562248"   "5575341"   "5593092"   "5613773"   "5678766"   "5779158"   "5779159"   "5992529"   "6102308"   "RE29717").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/15 16:13
S56	18	("2513417"   "3644076"   "3893624"   "4061248"   "4213936"   "4497442"   "4505431"   "4525175"   "4640461"   "4705405"   "4781467"   "4828038"   "5012979"   "5090619"   "5167285"   "5275243"   "5312041").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/15 16:17
S57	9	("5779158").URPN.	USPAT	OR	ON	2005/09/15 16:20
S58	22	("1561848"   "2538949"   "2643916"   "2832424"   "3265313"   "3301485"   "3693884"   "3782884"   "3799403"   "4103827"   "4497442"   "4640461"   "5054688"   "5277256"   "5312041"   "5330105").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/15 16:22
S59	7501	fire\$fight\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/19 13:15
S60	127	fire\$fight\$3 near nozzle	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/19 13:53
S61	241	(fire adj fight\$3) near nozzle	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/19 13:53

## EAST Search History

S62	45	S61 and variable	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/19 13:16
S63	84	S61 and var\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/19 13:19
S64	80	S61 and adjust\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/19 13:20
S65	10147	(239/398-434.5).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/19 13:17
S66	2408	(169/5-18).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/29 14:26
S67	12462	S65 S66	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/19 13:19
S68	2494	S67 and var\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/19 13:19
S69	1714	S67 and adjust\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/19 13:20
S70	3065	S68 S69	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/19 13:21

## EAST Search History

S71	2131	S70 and mix\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/19 13:21
S72	491	S70 and foam\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/19 13:21
S73	397	S71 and S72	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/19 13:22
S74	2225	S71 S72	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/19 13:22
S75	1809	S74 and nozzle	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/19 13:23
S76	101	fire\$fight\$3 and S75	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/19 14:59
S77	154	(fire adj fight\$3) and S75	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/19 15:00
S78	174	S76 S77	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/19 13:54

## EAST Search History

S79	35	("0434633"   "2207758"   "3069846"   "3342419"   "3554452"   "3684192"   "3863844"   "3893624"   "3904125"   "4289277"   "4470549"   "4589439"   "4623095"   "4640461"   "4653693"   "4730774"   "4944460"   "5167285"   "5275243"   "5312041"   "5312048"   "5562248"   "5575341"   "5593092"   "5613773"   "5678766"   "5779158"   "5779159"   "5992529"   "6102308"   "RE29717").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/19 13:57
S80	22	("1561848"   "2538949"   "2643916"   "2832424"   "3265313"   "3301485"   "3693884"   "3782884"   "3799403"   "4103827"   "4497442"   "4640461"   "5054688"   "5277256"   "5312041"   "5330105").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/19 14:04
S81	5	("5678766").URPN.	USPAT	OR	ON	2005/09/19 14:25
S82	12	("1018310"   "3539112"   "3684192"   "3863844"   "3904125"   "3948285"   "4172559"   "4252278"   "4289277"   "5012979").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/19 14:33
S83	3	("3446285"   "4420047").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/19 14:52
S84	2	("4497442").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/19 14:52
S85	13	("2198998"   "2538948"   "3548949"   "3562156"   "3578590"   "3772195"   "4219158"   "4349157").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/19 14:52
S86	16	("1538643"   "1755610"   "2265961"   "2293334"   "2341177"   "2883996"   "3047003"   "3202163").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/19 14:57
S87	6	("3647002").URPN.	USPAT	OR	ON	2005/09/19 14:58

## EAST Search History

S88	21	steingass-robert-\$.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/03 07:47
S89	12	("1018310"   "3539112"   "3684192"   "3863844"   "3904125"   "3948285"   "4172559"   "4252278"   "4289277"   "5012979").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/03 07:59
S90	11	("2086711"   "3094171"   "3188009"   "3236458"   "4224956"   "4497442"   "4640461").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/03 08:53
S91	4	("4224956").URPN.	USPAT	OR	ON	2005/10/03 08:55
S92	6	("2682883"   "2751920"   "3141471").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/03 09:00
S93	490	(137/114).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/03 09:01
S94	7530	fire\$fight\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/03 09:01
S95	0	S93 and S94	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/03 09:02
S96	268	(169/14).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/31 12:22
S97	3	S93 and S96	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/03 09:02
S98	21381	(239/398-533.15).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/29 14:27

## EAST Search History

S99	740	S98 and (self\$metering or automatic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 13:43
S10 0	134	S98 and (var\$3 with orifice same pressure)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 13:45
S10 1	270	(169/14).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/29 14:14
S10 2	270	(169/14).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/29 14:14
S10 3	35	("0434633"   "2207758"   "3069846"   "3342419"   "3554452"   "3684192"   "3863844"   "3893624"   "3904125"   "4289277"   "4470549"   "4589439"   "4623095"   "4640461"   "4653693"   "4730774"   "4944460"   "5167285"   "5275243"   "5312041"   "5312048"   "5562248"   "5575341"   "5593092"   "5613773"   "5678766"   "5779158"   "5779159"   "5992529"   "6102308"   "RE29717").PN. OR ("6749027").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/29 14:15
S10 4	13	("2991016"   "3012733"   "3150829"   "3387791"   "3539112").PN. OR ("RE29717").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/29 14:16

## EAST Search History

S10 5	43	({"2198998"   "2991016"   "3338173"   "3548949"   "3562156"   "3578590"   "3749318"   "3772195"   "3784113"   "4277030"   "4497442"   "Re25037"   "Re29717").PN. OR ("4640461").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/29 14:20
S10 6	2434	(169/5-18).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/29 14:27
S10 7	21381	(239/398-533.15).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/29 14:27
S10 8	23658	S106 S107	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 14:27
S10 9	1574	S108 and proportion\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 14:28
S11 0	321	S109 and fire	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 14:28
S11 1	22	("1538643"   "1755610"   "2265961"   "2293334"   "2341177"   "2883996"   "3047003"   "3202163").PN. OR ("3647002").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/29 15:27
S11 2	587	(137/98).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/29 15:27

## EAST Search History

S11 3	871	(239/424.5).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/31 11:44
S11 4	2	("6749027").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/31 11:44
S11 5	288	(169/44).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/31 11:59
S11 6	391	(239/413).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/31 12:02
S11 7	387	(239/416.4).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/31 12:04
S11 8	460	(239/417).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/31 12:08
S11 9	422	(239/417.5).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/31 12:15
S12 0	871	(239/424.5).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/31 12:17

## EAST Search History

S12 1	211	(239/419.5).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/31 12:19
S12 2	389	(239/453).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/31 12:20
S12 3	629	(239/453).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/31 12:20
S12 4	244	(239/514).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/31 12:21
S12 5	390	(169/14).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/31 12:22
S12 6	211	(169/27).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/31 12:23
S12 7	10	crabtree-dennis-w.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/31 12:23
S12 8	2	("3647002").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/07 15:27

## EAST Search History

S12 9	22	("1538643"   "1755610"   "2265961"   "2293334"   "2341177"   "2883996"   "3047003"   "3202163").PN. OR ("3647002").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/07 15:28
S13 0	33061	fire with extinguish\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/07 15:33
S13 1	72	S130 and (nozzle with proport\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/07 15:34
S13 2	19	("0556291"   "0577616"   "1398133"   "2176699"   "2218411"   "2984418"   "3779318").PN. OR ("5261494").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/07 15:38
S13 3	4	("2218411").URPN.	USPAT	OR	ON	2006/09/07 15:40
S13 4	37	("0727415"   "0729516"   "1075947"   "1170807"   "1643967"   "2075867"   "2773287"   "2996143"   "3051397"   "3604465").PN. OR ("3693884").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/07 15:42
S13 5	36	("0434633"   "2207758"   "3069846"   "3342419"   "3554452"   "3684192"   "3863844"   "3893624"   "3904125"   "4289277"   "4470549"   "4589439"   "4623095"   "4640461"   "4653693"   "4730774"   "4944460"   "5167285"   "5275243"   "5312041"   "5312048"   "5562248"   "5575341"   "5593092"   "5613773"   "5678766"   "5779158"   "5779159"   "5992529"   "6102308"   "RE29717").PN. OR ("6749027").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/07 16:20
S13 6	98	("3863844"   "4224956"   "4224958"   "4640461"   "5082633"   "5445226"   "5538784"   "6749027").PN"	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/07 17:01

## EAST Search History

S13 7	157	(239/452).CCLS.....	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/07 17:01
S13 8	13	(("4730774") or ("4623095") or ("3904125") or ("3342419") or ("4289277")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/14 10:09